

Nissan X Trail

Nissan X Trail 1.6 diesel Acenta, LHD

2014 ★★★★★



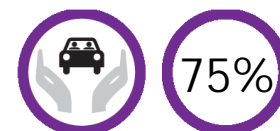
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Nissan X Trail 1.6 diesel Acenta, LHD
Body type	5 door SUV
Year of publication	2014
Kerb weight	1645kg
VIN from which rating applies	applies to all X Trails of the specification tested

SAFETY EQUIPMENT

Frontal airbags	Driver (Single Stage), Passenger (Single Stage)
Pre-tensioners	Driver (double), Passenger (single)
Load-limiters	Driver, Passenger
Knee airbags	None
Side airbags	Head (front and rear), Thorax (front only) (combined thorax/pelvis)
Front head restraints	Passive
Passenger airbag switch	Manual switch
ISOFIX anchorages	Rear outboard seats
Integrated child restraint	None
Active Pedestrian Protection	None,
Seatbelt Reminder	Driver, Passenger, Rear
Electronic Stability Control	ESP, Standard, Manual Switch
Speed Assistance Systems	Driver-set speed limitation, Not Available
Lane Support	Lane Departure Warning, Optional (meeting fitment requirements)
Autonomous Braking	Forward Emergency Braking, Inter-Urban (Auto-Brake) system, Optional (meeting fitment requirements)
Other	Not applicable

Safety equipment is standard across the model range unless stated otherwise

ADULT OCCUPANT

Total 33 pts | 86%

CRASH TEST PERFORMANCE

FRONT OFFSET

14,7 pts



Driver



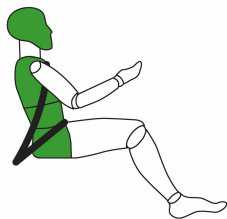
Passenger

SIDE CAR

8 pts

SIDE POLE

7,9 pts



Side car



Side pole

WHIPLASH PROTECTION

FRONT, REAR SEATS

2,1 pts



Front seats



Rear seats

FRONT OFFSET

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	13mm
Steering wheel rearward	none
Steering wheel upward	16mm
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	Clutch - 59mm
Upward pedal movement	Clutch - 15mm

SIDE

Head protection airbag	Yes
Chest protection airbag	Yes

HEAD RESTRAINT

Seat description	Standard cloth, 6 way manual
Head restraint type	Passive
Front geometric assessment	1,5 pts

TESTS

- High severity	2,5 pts
- Medium severity	2,7 pts
- Low severity	2,4 pts

AEB CITY

0 pts

System name	Not applicable
Fitment	Optional (not meeting fitment requirements)



CHILD OCCUPANT

Total 41 pts | 83%

CRASH TEST PERFORMANCE

18 MONTH OLD CHILD

Restraint Römer BabySafe + ISOFIX Base
Facing rearward facing
Installation ISOFIX and Supportleg



PERFORMANCE **12 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

3 YEAR OLD CHILD

Restraint Römer Duo Plus
Facing forward facing
Installation ISOFIX and TopTether



PERFORMANCE **10,7 pts**

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load good

SIDE IMPACT

Head containment protected
Head acceleration good

CHILD SAFETY FEATURES AND CRS INSTALLATION CHECK



Isifix

Safety features score **6 pts**
Installation check score **12 pts**

Pass Install without problem
Partial Fail Install with care
Fail Safety critical problem
Exempt Installation not allowed

	SEAT POSITION							
	FRONT		2nd ROW			3rd ROW		
	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT
Maxi Cosi Cabriofix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer King Plus (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Cabriofix and EasyFix (Seatbelt)	N/A	Pass	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Cabriofix and EasyFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
BeSafe iZi Kid X3 ISOfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Maxi Cosi Pearl and Familyfix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer KidFix (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer BabySafe + ISOFIX Base (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt
Römer Duo Plus (ISOFIX)	N/A	Exempt	Pass	Exempt	Pass	Exempt	N/A	Exempt

TEST RESULTS

SAFETY ASSIST

Total 10 pts | 75%

SPEED ASSISTANCE SYSTEM 1,7 pts

Not Available	
Speed Information	PASS
Speed Assistance (Manual)	Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- ESP	Meets requirements
-------	--------------------

SEATBELT REMINDER 2,6 pts

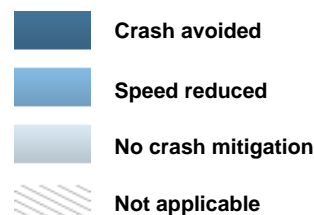
- driver and passenger	Pass
- rear	Pass

LANE SUPPORT SYSTEMS 1 pts

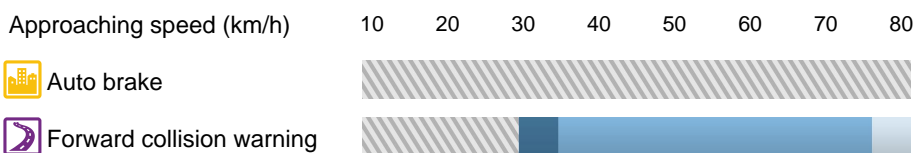
Optional (meeting fitment requirements)	
Lane Departure Warning	Meets requirements

AEB INTERURBAN SYSTEMS 1,6 pts

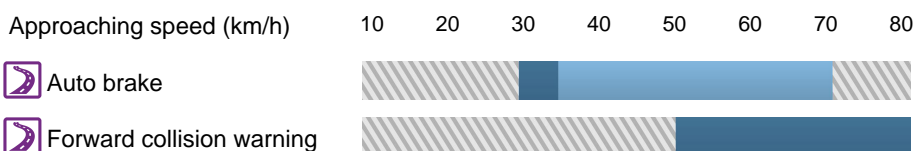
Forward Emergency Braking	Optional (meeting fitment requirements)
Human machine interface	Default On
Performance	



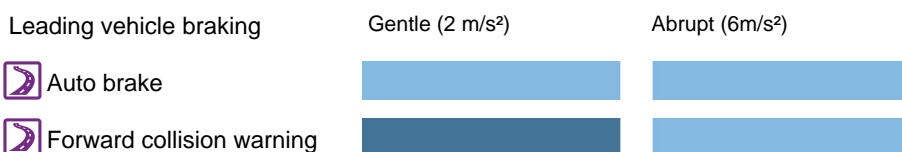
APPROACHING A STATIONARY VEHICLE



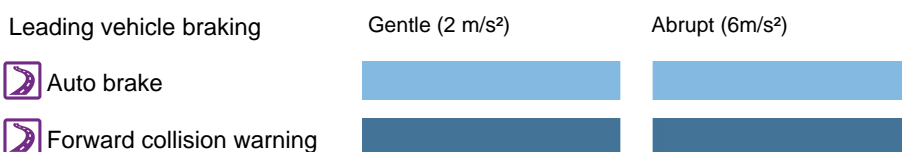
APPROACHING A SLOW MOVING VEHICLE



APPROACHING A BRAKING VEHICLE WITH SHORT HEADWAY



APPROACHING A BRAKING VEHICLE WITH LONG HEADWAY



PEDESTRIAN

Total 27 pts | 75%



HEAD	15,4 pts
PELVIS	5,8 pts
LEG	6 pts



COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Nissan showed that a similar level of protection would be provided to occupants of different size and to those sat in different positions. In the side barrier test, the X Trail scored maximum points, with good protection of all body areas. Even in the more severe side pole test, protection of all body regions was good, except that of the chest which was adequate. The front seats and head restraints provided good protection against whiplash injury in the event of a rear-end collision. A geometric assessment of the rear seats indicated marginal protection. An autonomous emergency braking system is available on the X Trail, which would help to avoid or mitigate rear-end accidents, further reducing the risk of whiplash injury. However, as the system is not standard equipment, it was not included in the assessment.

Child occupant

Based on dummy readings in the dynamic tests, the X Trail scored maximum points for its protection of the 1½ year dummy. In the frontal impact, forward movement of the 3 year dummy, sat in a forward-facing restraint, was not excessive although neck tension was marginally high. In the side impact, both dummies were properly contained by the protective shells of their restraints, minimising the risk of head contact with parts of the vehicle interior. The passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. All of the restraints for which the X Trail is designed could be properly installed and accommodated.

Pedestrian

The X Trail scored maximum points for the protection its bumper offered to pedestrians' legs, with good results recorded at all test locations. The front edge of the bonnet offered good or adequate protection. The bonnet surface provided protection that was adequate in almost all areas tested with some poor results only on the stiff windscreen pillars.

Safety assist

Electronic stability control is standard equipment on all X Trails. A seatbelt reminder is standard for the front and second-row rear seats but not for the optional third row seats. A camera-based system recognises speed limit signs and can display the information to the driver who can then choose whether or not to set the speed-limiter accordingly. The system met Euro NCAP's requirements for systems of this type and was rewarded. The X Trail has an autonomous emergency braking system as an option. It is expected to be fitted to most cars sold so the system was assessed and rewarded for its performance. A lane departure warning system is also an option which is expected to be on most vehicles and which met Euro NCAP's requirements.